

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001449

A. CLASSIFICATION OF SUBJECT MATTER C12N 15/12 CO7K 14/47 C12Q 1/68 G01N 33/68 According to International Patent Classification (IPC) or to both national classification and IPC																				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C12N 15/12 CO7K 14/47 C12Q 1/68 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used) GenBank (incl. EST and HTG), PIR, UNIPROT, Dgene, Delphion, CaPlus Keywords: EPM2B, Lafora, malin Sequence ID numbers 1 to 4																				
C. DOCUMENTS CONSIDERED TO BE RELEVANT																				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																		
X, P	CHEN, E. M. et al., "Mutations in NHLRC1 cause progressive myoclonus epilepsy", NATURE GENETICS. October 2003 (Epub 07 September 2003), Vol. 35, No. 2, pages 125-127. whole document.	1 to 39																		
X Y	BLAKEY, S. "Human DNA sequence from clone RP11-204B7 on chromosome 6, complete sequence". GENBANK database. 27 April 2001. Accession number AL589723. DNA sequence nucleic acids 85161 to 83042 (minus strand), DNA sequence nucleic acids 84858 to 83960 (minus strand).	1 to 3 34 and 35																		
X	"Mus musculus adult male corpora quadrigemina cDNA, RIKEN full-length enriched library, clone. B230309E09 product: hypothetical NHL repeat/RING finger containing protein, full insert sequence". GENBANK database 05 December 2002. Accession number AK045746 Protein sequence amino acids 16 to 395, Protein sequence amino acids 1 to 394.	1, 3 and 34																		
Y, P	"Hypothetical protein CBG06802 [<i>Caenorhabditis briggsae</i>]" GENBANK database 24 November 2003. Accession number CAE62664. Whole protein sequence	1 and 34																		
A, P	CHAN, E. M. et al., "Genetic mapping of a new Lafora progressing myoclonus	1 to 39																		
Further documents are listed in the continuation of Box C. Patent family members are listed in annex.																				
<table border="0"> <tr> <td>* Special categories of cited documents :</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td></td> <td></td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X"</td> <td>document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td></td> <td></td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td>"&"</td> <td>document member of the same patent family</td> </tr> </table>			* Special categories of cited documents :	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"A" document defining the general state of the art which is not considered to be of particular relevance			"E" earlier application or patent but published on or after the international filing date	"X"	document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means			"P" document published prior to the international filing date but later than the priority date claimed	"&"	document member of the same patent family
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Date of the actual completion of the international-type search 19 October 2004		Date of mailing of the international-type search report 14 January 2005 (14-01-2005)																		
Name and mailing address of the ISA/ Commissioner of Patents Canadian Patent Office - PCT Ottawa/Gatineau K1A 0C9 Facsimile No. 1-819-953-9358		Authorized officer Kathleen Pound (819) 953-9757																		

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C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	MINASSIAN, B. A. et al., "Mutations in a gene encoding a novel protein tyrosine phosphatase cause progressive myoclonus epilepsy". NATURE GENETICS. October 1998, Vol. 20, No. 2, pages 171-174.	1 to 39
A	LEHESIÖKI, A-E. "Molecular background of progressive myoclonus epilepsy" EMBO J. July 2003 Vol. 22, No 14, pages 3473-3478.	1 to 39